

WO 01/25251

PCT/US00/27056

SEQUENCE LISTING

<110> Merck & Co., Inc.

<120> MraY GENE AND ENZYME OF PSEUDOMONAS
AERUGINOSA

<130> PCT 20522

<150> 60/157,580

<151> 1999-10-04

<160> 4

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1083

<212> DNA

<213> Pseudomonas Aeruginosa

<400> 1

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accgccatag	ccatcagcac	gctgctgtgg	gcggatcttt	ccaaccgcta	cgtgtgggta	300
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<210> 2

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<212> PRT

<213> Pseudomonas Aeruginosa

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Ala	Leu	Ser	Leu	Ser	Leu	Trp	Leu	Gly	Pro	Trp	Met	Ile	Arg	Thr	Leu
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 His Leu Ser Lys Lys Gly Thr Pro Thr Met Gly Ala Leu Ile Leu
 65 70 75 80
 Thr Ala Ile Ala Ile Ser Thr Leu Leu Trp Ala Asp Leu Ser Asn Arg
 85 90 95
 Tyr Val Trp Val Val Leu Val Val Thr Leu Leu Phe Gly Ala Ile Gly
 100 105 110
 Trp Val Asp Asp Tyr Arg Lys Val Ile Glu Lys Asn Ser Arg Gly Leu
 115 120 125
 Pro Ser Arg Trp Lys Tyr Phe Trp Gln Ser Val Phe Gly Ile Gly Ala
 130 135 140
 Ala Val Phe Leu Tyr Met Thr Ala Glu Thr Pro Ile Glu Thr Thr Leu
 145 150 155 160
 Ile Val Pro Met Leu Lys Ser Val Glu Ile Gln Leu Gly Ile Phe Phe
 165 170 175
 Val Val Leu Thr Tyr Phe Val Ile Val Gly Ser Ser Asn Ala Val Asn
 180 185 190
 Leu Thr Asp Gly Leu Asp Gly Leu Ala Ile Met Pro Thr Val Met Val
 195 200 205
 Ala Gly Ala Leu Gly Ile Phe Cys Tyr Leu Ser Gly Asn Val Lys Phe
 210 215 220
 Ala Glu Tyr Leu Leu Ile Pro Asn Val Pro Gly Ala Gly Glu Leu Ile
 225 230 235 240
 Val Phe Cys Ala Leu Val Gly Ala Gly Leu Gly Phe Leu Trp Phe
 245 250 255
 Asn Thr Tyr Pro Ala Gln Val Phe Met Gly Asp Val Gly Ala Leu Ala
 260 265 270
 Leu Gly Ala Ala Leu Gly Thr Ile Ala Val Ile Val Arg Gln Glu Ile
 275 280 285
 Val Leu Phe Ile Met Gly Gly Val Phe Val Met Glu Thr Leu Ser Val
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 Met Ile Gln Val Ala Ser Phe Lys Leu Thr Gly Arg Arg Val Phe Arg
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 <212> DNA
 <213> Artificial Sequence

<220>
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10/089787

SEQUENCE LISTING

<110> El-Sherbeini, Mohamed
Azzolina, Barbara A.

<120> Mray GENE AND ENZYME OF PSEUDOMONAS
AERUGINOSA

<130> 20522P

<140> 10/089,787

<141> 2002-04-03

<150> PCT/US00/27056

<151> 2000-09-29

<150> 60/157,580

<151> 1999-10-04

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<170> FastSEQ for Windows Version 4.0

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<211> 1083

<212> DNA

<213> Pseudomonas Aeruginosa

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<210> 2

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<212> PRT

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20522P

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Gly Val Phe Gln Tyr Leu Thr Leu Arg Gly Ile Leu Ser Val Leu Thr
 20          25          30
Ala Leu Ser Leu Ser Leu Trp Leu Gly Pro Trp Met Ile Arg Thr Leu
 35          40          45
Gln Ile Pro Gln Ile Gly Gln Ala Val Arg Asn Asp Gly Pro Gln Ser
 50          55          60
His Leu Ser Lys Lys Gly Thr Pro Thr Met Gly Gly Ala Leu Ile Leu
 65          70          75          80
Thr Ala Ile Ala Ile Ser Thr Leu Leu Trp Ala Asp Leu Ser Asn Arg
 85          90          95
Tyr Val Trp Val Val Leu Val Val Thr Leu Leu Phe Gly Ala Ile Gly
 100          105          110
Trp Val Asp Asp Tyr Arg Lys Val Ile Glu Lys Asn Ser Arg Gly Leu
 115          120          125
Pro Ser Arg Trp Lys Tyr Phe Trp Gln Ser Val Phe Gly Ile Gly Ala
 130          135          140
Ala Val Phe Leu Tyr Met Thr Ala Glu Thr Pro Ile Glu Thr Thr Leu
 145          150          155          160
Ile Val Pro Met Leu Lys Ser Val Glu Ile Gln Leu Gly Ile Phe Phe
 165          170          175
Val Val Leu Thr Tyr Phe Val Ile Val Gly Ser Ser Asn Ala Val Asn
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Leu Thr Asp Gly Leu Asp Gly Leu Ala Ile Met Pro Thr Val Met Val
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Ala Gly Ala Leu Gly Ile Phe Cys Tyr Leu Ser Gly Asn Val Lys Phe
 210          215          220
Ala Glu Tyr Leu Leu Ile Pro Asn Val Pro Gly Ala Gly Glu Leu Ile
 225          230          235          240
Val Phe Cys Ala Ala Leu Val Gly Ala Gly Leu Gly Phe Leu Trp Phe
 245          250          255
Asn Thr Tyr Pro Ala Gln Val Phe Met Gly Asp Val Gly Ala Leu Ala
 260          265          270
Leu Gly Ala Ala Leu Gly Thr Ile Ala Val Ile Val Arg Gln Glu Ile
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Val Leu Phe Ile Met Gly Gly Val Phe Val Met Glu Thr Leu Ser Val
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Met Ile Gln Val Ala Ser Phe Lys Leu Thr Gly Arg Arg Val Phe Arg
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Met Ala Pro Ile His His His Phe Glu Leu Lys Gly Trp Pro Asp Pro
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Gly Leu Ala Thr Leu Lys Leu Arg
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<210> 3
 <211> 29
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR Primer

20522P

<400> 3
ttcatatgct cctgctgctg gccgaatac

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<210> 4
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